

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

10/500, 018A

Source:

PST

Date Processed by STIC:

2-19-05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 02/14/2005

PATENT APPLICATION: US/10/500,018A

TIME: 08:10:07

Input Set : D:\SEQUENCE LISTING\_58778\_000002.txt

Output Set : N:\CRF4\02142005\J500018A.raw

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3 <110> APPLICANT: Daiichi Suntory Pharma Co.,Ltd.
4   Kenji KANGAWA
6 <120> TITLE OF INVENTION: A method for producing a modified peptide
8 <130> FILE REFERENCE: D05F1044
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/500,018A
C--> 10 <141> CURRENT FILING DATE: 2004-06-23
10 <150> PRIOR APPLICATION NUMBER: PCT/JP03/04590
11 <151> PRIOR FILING DATE: 2003-04-10
13 <160> NUMBER OF SEQ ID NOS: 39
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16 <211> LENGTH: 28
17 <212> TYPE: PRT
18 <213> ORGANISM: Homo sapiens
W--> 19 <220> FEATURE:
20 <223> OTHER INFORMATION: Amino acid sequence for human endogenous peptides of growth
hormone
21   secretagogue
W--> 22 <400> SEQUENCE: 1
23 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Arg Val Gln Gln Arg Lys
24   1           5           10           15
25 Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
26           20           25
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 27
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo sapiens
W--> 32 <220> FEATURE:
33 <223> OTHER INFORMATION: Amino acid sequence for human endogenous peptides (27 amino
acids)of
34   growth hormone secretagogue
W--> 35 <400> SEQUENCE: 2
36 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Arg Val Gln Arg Lys Glu
37   1           5           10           15
38 Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
39           20           25
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 28
43 <212> TYPE: PRT
44 <213> ORGANISM: Rattus norvegicus
W--> 45 <220> FEATURE:
46 <223> OTHER INFORMATION: Amino acid sequence for rat endogenous peptides of growth
hormone
47   secretagogue
W--> 48 <400> SEQUENCE: 3

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49 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Gln Arg Lys  
50 1 5 10 15

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51 Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
52          20          25
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 27
56 <212> TYPE: PRT
57 <213> ORGANISM: Rattus norvegicus
W--> 58 <220> FEATURE:
59 <223> OTHER INFORMATION: Amino acid sequence for rat endogenous peptides (27 amino
acids) of
60          growth hormone secretagogue
W--> 61 <400> SEQUENCE: 4
62 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Arg Lys Glu
63 1          5          10          15
64 Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
65          20          25
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 28
69 <212> TYPE: PRT
70 <213> ORGANISM: Mus musculus
W--> 71 <220> FEATURE:
72 <223> OTHER INFORMATION: Amino acid sequence for mouse endogenous peptides of growth
hormone
73          secretagogue
W--> 74 <400> SEQUENCE: 5
75 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Gln Arg Lys
76 1          5          10          15
77 Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
78          20          25
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 28
82 <212> TYPE: PRT
83 <213> ORGANISM: Sus scrofa (pig)
W--> 84 <220> FEATURE:
85 <223> OTHER INFORMATION: Amino acid sequence for porcine endogenous peptides of growth
86          hormone secretagogue
W--> 87 <400> SEQUENCE: 6
88 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Val Gln Gln Arg Lys
89 1          5          10          15
90 Glu Ser Lys Lys Pro Ala Ala Lys Leu Lys Pro Arg
91          20          25
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 27
95 <212> TYPE: PRT
96 <213> ORGANISM: Bos taurus
W--> 97 <220> FEATURE:
98 <223> OTHER INFORMATION: Amino acid sequence for bovine endogenous peptides (27 amino
acids) of
99          growth hormone secretagogue
W--> 100 <400> SEQUENCE: 7
101 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Leu Gln Arg Lys Glu
102 1          5          10          15
103 Ala Lys Lys Pro Ser Gly Arg Leu Lys Pro Arg

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104          20          25
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108 <212> TYPE: PRT
109 <213> ORGANISM: Ovis aries
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111 <223> OTHER INFORMATION: Amino acid sequence for ovine endogenous peptides (27 amino
acids) of
112          growth hormone secretagogue
W--> 113 <400> SEQUENCE: 8
114 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Leu Gln Arg Lys Glu
115   1          5          10          15
116 Pro Lys Lys Pro Ser Gly Arg Leu Lys Pro Arg
117          20          25
119 <210> SEQ ID NO: 9
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121 <212> TYPE: PRT
122 <213> ORGANISM: Canis familiaris
W--> 123 <220> FEATURE:
124 <223> OTHER INFORMATION: Amino acid sequence for dog endogenous peptides of growth
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125          secretagogue
W--> 126 <400> SEQUENCE: 9
127 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Leu Gln Gln Arg Lys
128   1          5          10          15
129 Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
130          20          25
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 21
134 <212> TYPE: PRT
135 <213> ORGANISM: Anguilla japonica
W--> 136 <220> FEATURE:
137 <221> NAME/KEY: AMIDATION
138 <222> LOCATION: 21
139 <223> OTHER INFORMATION: Amino acid sequence for eel endogenous peptides of growth
hormone
140          secretagogue
W--> 141 <400> SEQUENCE: 10
142 Gly Ser Ser Phe Leu Ser Pro Ser Gln Arg Pro Gln Gly Lys Asp Lys
143   1          5          10          15
144 Lys Pro Pro Arg Val
145          20
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 23
149 <212> TYPE: PRT
150 <213> ORGANISM: Oncorhynchus mykiss
W--> 151 <220> FEATURE:
152 <221> NAME/KEY: AMIDATION
153 <222> LOCATION: 23
154 <223> OTHER INFORMATION: Amino acid sequence for rainbow trout endogenous peptides
(23 amino
155          acids) of growth hormone secretagogue
W--> 156 <400> SEQUENCE: 11

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157 Gly Ser Ser Phe Leu Ser Pro Ser Gln Lys Pro Gln Val Arg Gln Gly
158   1           5           10           15
159 Lys Gly Lys Pro Pro Arg Val
160           20
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 20
164 <212> TYPE: PRT
165 <213> ORGANISM: Oncorhynchus mykiss
W--> 166 <220> FEATURE:
167 <221> NAME/KEY: AMIDATION
168 <222> LOCATION: 20
169 <223> OTHER INFORMATION: Amino acid sequence for rainbow trout endogenous peptides
(20 amino
170 acids) of growth hormone secretagogue
W--> 171 <400> SEQUENCE: 12
172 Gly Ser Ser Phe Leu Ser Pro Ser Gln Lys Pro Gln Gly Lys Gly Lys
173   1           5           10           15
174 Pro Pro Arg Val
175           20
177 <210> SEQ ID NO: 13
178 <211> LENGTH: 24
179 <212> TYPE: PRT
180 <213> ORGANISM: Gallus domesticus
W--> 181 <220> FEATURE:
182 <223> OTHER INFORMATION: Amino acid sequence for chicken endogenous peptides of
growth
183 hormone secretagogue
W--> 184 <400> SEQUENCE: 13
185 Gly Ser Ser Phe Leu Ser Pro Thr Tyr Lys Asn Ile Gln Gln Gln Lys
186   1           5           10           15
187 Gly Thr Arg Lys Pro Thr Ala Arg
188           20
190 <210> SEQ ID NO: 14
191 <211> LENGTH: 24
192 <212> TYPE: PRT
193 <213> ORGANISM: Gallus domesticus
W--> 194 <220> FEATURE:
195 <223> OTHER INFORMATION: Amino acid sequence for chicken endogenous peptides of
growth
196 hormone secretagogue
W--> 197 <400> SEQUENCE: 14
198 Gly Ser Ser Phe Leu Ser Pro Thr Tyr Lys Asn Ile Gln Gln Gln Lys
199   1           5           10           15
200 Asp Thr Arg Lys Pro Thr Ala Arg
201           20
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 26
205 <212> TYPE: PRT
206 <213> ORGANISM: Gallus domesticus
W--> 207 <220> FEATURE:
208 <223> OTHER INFORMATION: Amino acid sequence for chicken endogenous peptides of
growth
209 hormone secretagogue

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W--> 210 <400> SEQUENCE: 15
      211 Gly Ser Ser Phe Leu Ser Pro Thr Tyr Lys Asn Ile Gln Gln Gln Lys
      212   1               5               10               15
      213 Asp Thr Arg Lys Pro Thr Ala Arg Leu His
      214           20               25
      216 <210> SEQ ID NO: 16
      217 <211> LENGTH: 27
      218 <212> TYPE: PRT
      219 <213> ORGANISM: Rana cafesbeiana

W--> 220 <220> FEATURE:
      221 <223> OTHER INFORMATION: Amino acid sequence for frog endogenous peptides of growth
hormone
      222         secretagogue

W--> 223 <400> SEQUENCE: 16
      224 Gly Leu Thr Phe Leu Ser Pro Ala Asp Met Gln Lys Ile Ala Glu Arg
      225   1               5               10               15
      226 Gln Ser Gln Asn Lys Leu Arg His Gly Asn Met
      227           20               25
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      230 <211> LENGTH: 28
      231 <212> TYPE: PRT
      232 <213> ORGANISM: Rana cafesbeiana

W--> 233 <220> FEATURE:
      234 <223> OTHER INFORMATION: Amino acid sequence for frog endogenous peptides of growth
hormone
      235         secretagogue

W--> 236 <400> SEQUENCE: 17
      237 Gly Leu Thr Phe Leu Ser Pro Ala Asp Met Gln Lys Ile Ala Glu Arg
      238   1               5               10               15
      239 Gln Ser Gln Asn Lys Leu Arg His Gly Asn Met Asn
      240           20               25
      242 <210> SEQ ID NO: 18
      243 <211> LENGTH: 20
      244 <212> TYPE: PRT
      245 <213> ORGANISM: Tilapia nilotica

W--> 246 <220> FEATURE:
      247 <221> NAME/KEY: AMIDATION
      248 <222> LOCATION: 20
      249 <223> OTHER INFORMATION: Amino acid sequence for tilapia endogenous peptides of
growth hormone
      250         secretagogue

W--> 251 <400> SEQUENCE: 18
      252 Gly Ser Ser Phe Leu Ser Pro Ser Gln Lys Pro Gln Asn Lys Val Lys
      253   1               5               10               15
      254 Ser Ser Arg Ile
      255           20
      257 <210> SEQ ID NO: 19
      258 <211> LENGTH: 22
      259 <212> TYPE: PRT
      260 <213> ORGANISM: Silurus asotus

W--> 261 <220> FEATURE:
      262 <221> NAME/KEY: AMIDATION

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## VERIFICATION SUMMARY

DATE: 02/14/2005

PATENT APPLICATION: US/10/500,018A

TIME: 08:10:08

Input Set : D:\SEQUENCE LISTING\_58778\_000002.txt

Output Set: N:\CRF4\02142005\J500018A.raw

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TIME: 08:10:08

Input Set : D:\SEQUENCE LISTING\_58778\_000002.txt

Output Set: N:\CRF4\02142005\J500018A.raw

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